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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,681	05/22/2004	Carles Borrego Bel	8152ES	3680
23688	7590	06/22/2006	EXAMINER BERHANU, SAMUEL	
Bruce E. Harang PO BOX 872735 VANCOUVER, WA 98687-2735			ART UNIT 2838	PAPER NUMBER

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Office Action Summary

Application No.

10/709,681

Applicant(s)

BORREGO BEL ET AL.

Examiner

Samuel Berhanu

Art Unit

2838

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application

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the current flow through the BCO2 (302, 402, 418) switch, when it is closed, and also smaller than the current from generator (24) to battery (20) (noted that battery 20 is connected at node 17 and the diodes 310-314 and 410-414 are allowed current flow to the battery 14, Column 1, lines 39-67, Column 3, lines 45-47).

Regarding Claim 2, Dougherty discloses in Figures 1-4, characterized because said control unit (30) includes means to detect the condition status of both batteries (Column 4, lines 9-20)

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and enables current flow between the two networks (Column 3, lines 3-15, Column 4, lines 10-15) in any direction characterized by a) performing a permanent monitoring of the SOC of batteries (20) and (14) (measuring the voltage levels of the batteries , Column 3, lines 3-15, Column 4, lines 10-15) and the charge demands of C1 and C2 and provide an actuation on the mentioned switch BCO2, allowing the connection of one or both batteries (20) and (14) to both the networks and with energy transfer between them (Energy is transferred from one network to the other when battery 20 is providing charging current to battery 14) and b) providing permanent unidirectional current flow network containing battery B1 to network (2)(Noted that Figures 3 and 4 indicate that the diodes 310-314 or 410-414 provides a permanent connection between the two batteries network, the diodes are designed to prevent

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel